**Zero Product Property:** Some equations can be solved by factoring. If the product of two factors is equal to zero, then at least one of the factors must be zero.

For any real numbers and , if , then , , or both  and  equal zero.

Solve each equation by using the zero product property.

**Example 1)**  **Example 2)** 

**Example 3)**   **Example 4)** 

|  |
| --- |
| **Solve each equation by using the zero product property**.  |
| 1.
 | 1.
 | 1.
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| 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
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